		3 days	DURATION:
		4,000/ 10,000 bbl	VOLUME:
122-07.0	LONGITUDE: 122-07.0	Facility	HAZARD:
		Bridge Tosco-Avon Tosco-Amorco Wickland-Martinez terminal Shell Oil wharf Exxon refinery Huntway facility Santa Fe pipeline	
38-02.5	LATITUDE	Facilities near the Benicia/Martinez	SITE

TRAJECTORY ANALYSIS

spread approximately 1/2 mile farther into San Pablo and Grizzly Bays after 3 days. would carry the oil to the southern boundary of Grizzly Bay. A 10,000 bbl spill would Bay approximately 2 miles north of the channel. Point. Physical spreading would cause the 4,000 bbl spill to spread across San Pablo be expected to transport the oil westward into San Pablo Bay to approximately Pinole expected to move the oil eastward across Suisun Bay. A spill during the ebb tide would gravity, surface tension, and tidal dispersion. Spill transport on the flood tide would be tidal currents, and river flow, and spreading of the oil spill by physical processes such as Benicia/Martinez Bridge. A spill trajectory envelope was calculated for a cluster of facilities located near the The trajectory analysis considered oil transport by the wind, Spreading of this spill in Suisun Bay

transport oil on the flood tide across Suisun Bay to the mouths of the San Joaquin and into San Francisco Bay as far as Oakland Harbor. Oil transported south this way could Sacramento Rivers. Transport up these rivers would be limited by the seasonal river flow. spread westward to the Golden Gate area. Westerly and southwesterly winds could direction, strength and persistence of local winds. Wind-induced surface currents could cause additional transport of oil depending on the Northerly winds could transport the oil

and wind and assume pessimistic dispersion and other adverse weather conditions. preparing these spill envelopes is provided in Section 202.2 envelopes do not represent the trajectory of any one spill. A full discussion of the details used for oil in the event of any spill. These spill trajectory envelopes represent the outer perimeter of shoreside areas that could receive The envelopes are based on regional extremes of climate, tide, current These trajectory